



Army Energy Program Newsletter

Issue 1

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Welcome to the first edition of the Army Energy Program Newsletter.

The purpose of this newsletter is to alert you to activities and accomplishments of the Army Energy Program as well as summarize the latest useful information from the world of energy and energy efficiency.

Below you will find summaries and highlights along with Internet links that will take you to sites — including the recently introduced [Army Energy Program site](#) — where you can find out more information.

We welcome your [feedback and suggestions](#).

What's New?

Army Energy Program Website

The Army Energy Program website was launched several months ago and contains up-to-date information on Army energy policies and programs. Information on the following topics is also included: funding and financing, awards, new technologies, and training and workshops, as well as hundreds of links to other useful sites. Check out the [website](#).

26th Annual Secretary of the Army Energy and Water Management Awards

In a ceremony on 30 March 2005, at the Installation Symposium in Kansas City, MO, the 26th Annual Secretary of the Army Energy and Water Management Awards were presented. Awards were presented in the following categories:

Installation

- Fort Benning, GA
- 6th Area Support Group - Stuttgart, Germany
- Rock Island Arsenal, IL

- Arizona Army National Guard - Phoenix, AZ
- Fort McCoy, WI

Small Group

- Corpus Christi Army Depot, TX
- 415th Base Support Battalion - Kaiserslautern, Germany

Individual

- Mr. David Osborn, Rock Island Arsenal, IL
- Mr. Gary Meredith, Fort Knox, KY
- Mr. James Whitehead, HQ TN ARNG

[More information on the awards](#)



Mr. Geoffrey Prosch, Principal Deputy Assistant Secretary of the Army presents Installation award to Mr. Alan Wilson, Garrison Manager, Rock Island Arsenal, IL.

ESPC

Did you know that federal agencies can once again use Energy Savings Performance Contracts (ESPCs) to finance new federal energy saving projects? On 28 Oct 2004, the National Defense Authorization Act for Fiscal Year 2005 was signed into law by the President. H.R. 4200 extends from 2003 to 30 Sep 2006, authority for all federal agencies to use ESPC contracts to finance federal energy management and water projects.

ACSIM is currently working on an ESPC Policy Handbook that will be available on the Army Energy Program website when it is completed. See the [Army Energy Program website](#) for more information on ESPC policy.

Additional information on ESPC:

- The January 2005 edition of the *REM Newsletter* reported on an article in *Con.WEB* that explains some of the history of the ESPC issue and the current situation. See, "Energy Savings Performance Contracting Returns for Federal Facilities," in the 22 Dec 2004 issue of *Con.WEB* at <http://www.newsdata.com/enernet/conweb/conweb.html#cw108-4>.

- [Federal Energy Management Program's Energy Savings Performance Contracting](#)

2005 SERO/IMA Energy Managers Forum



David Williams, ACSIM and Paul Volkman, IMA

The 2005 SERO/IMA Energy Managers Forum (EMF) was held 19-21 April 2005, in Atlanta, Georgia. The purpose of the EMF is to bring together the energy managers from the Southeast Region installations to: 1) provide an update on DOE, DoD, Army, IMA, Region and installation activities focused on meeting the goals of

Executive Order 13123; 2) share ideas and approaches for saving energy and money at installations; 3) lay out plans for the coming year to identify energy and water projects, funding opportunities and sources through the development of long-range energy and management plans; and 4) learn about the latest in new and emerging technologies and metering approaches.

In addition to the regional energy managers, attending this year's forum were staff from the Southeast Region Office, ACSIM, IMA HQ, Huntsville Corps of Engineers, Department of Energy/Federal Energy Management Program Southeast Regional Office, Defense Energy Support Center, Erica Lane Enterprises, and Pacific Northwest National Laboratory (PNNL), who organized the EMF for the Southeast Region.

As part of the EMF, the DOE/FEMP Southeast Regional Office provided a one-day workshop on Geothermal Heat Pumps for Saving Energy and Money for Federal Facilities. This workshop was presented by staff from Oak Ridge National Laboratory, and two DoD Installations (Neil Tisdale, Beaufort Marine Corps Air Station, and Bob Harvey, NAS Oceana).

The final Agenda and Presentations from the 2005 EMF are now available for downloading from the [SERO website](#).

What's Ahead?

HQRADDS Becomes AEWRS

HQRADDS has been reformulated into the Army Energy and Water Reporting System (AEWRS). Users will find AEWRS easier to use with features that include:

- Simplified login box
- Easy navigation
- Multiple record display
- Automated unit conversion
- Selected reports available in Excel format
- Enhanced Help capability
- No reporting of mobility fuel products
- Self-contained application - no downloads needed

Reporters will be required to participate in an online (web-based) interactive training session that will be offered in July 2005. As soon as training dates are set, an announcement email will be sent and information will be available on the [Army Energy Program website](#).

Army Energy Strategy and Campaign Plan

To ensure that the Army provides safe, secure, reliable, environmentally compliant and cost-effective energy and water services to Soldiers, families, civilians and contractors on Army installations, the Army Energy Strategy and Army Energy Campaign Plan are being developed. The strategy sets forth the Army's energy goals for 25 years and the campaign plan defines the intermediate objectives and actions we need to take over the 25 years to ensure the Army successfully achieves long range energy and water goals.

The Army Energy Strategy sets the general direction for the Army in five major goals that are supported by specific objectives. These goals are:

- ✓ Eliminate energy waste in existing facilities
- ✓ Increase energy efficiency in new construction and renovations
- ✓ Reduce dependence on fossil fuels
- ✓ Conserve water resources
- ✓ Improve energy security

The Secretary of the Army and the Army Chief of Staff will soon sign the Army Energy Strategy. It will then be posted to the Army Energy Program web site. The Army Energy Campaign Plan is currently under development. It will lay

out specific projects, programs and policy to accomplish the Campaign Plan as well as current and future federal energy goals.

The Army Energy Campaign Plan will involve input from all stakeholders including G-3, ACA/ASA(FM), USACE, IMA, OSD, MACOMs, other DoD agencies, private industry and DOE. The goal is to draft the Campaign Plan by the end of FY05 and finalize it in early FY06.

The POC for the Army Energy Strategy and Campaign Plan is Jim Paton, James.Paton@hqda.army.mil.

Energy 2005 and Army Energy Forum

We are pleased to announce the 2005 Army Energy Forum, 18-19 Aug 2005, in Long Beach, CA, held in conjunction with [Energy 2005](#). This 2005 Army Energy Forum will address key accomplishments of the past year as well as challenges ahead for the Army's energy program as it transitions into the 21st Century.

To view the agenda, get logistical information and register for the Forum, [visit our website](#). All attendees are encouraged to pre-register; there is no registration fee for the Army Energy Forum.

Energy Awareness and Conservation Assessments

ACSIM is working with the Army Contracting Agency to develop a contract for Energy Awareness and Conservation Assessments. [Watch our website](#) for information as it becomes available.

What's Going On with the REMs?

If you're interested in REM activities, check out the [REM Newsletter](#) produced by the Washington State University Extension Energy Program. The [October 2004 newsletter](#) reports on the activities of Southeast REMs, including the fact that in less than one year, REMs at Redstone Arsenal, Alabama, and Fort Campbell, Kentucky, have been responsible for savings worth three times the annual cost of their contracts.

The [April 2005 newsletter](#) includes an update on REMs, including the following changes:

- Chuck Ivey is the new REM at Fort Benning, GA
- Nancy Varner has transferred from Fort Polk, LA, to

Lackland Air Force Base

- Mike Baird is the REM at Fort Sill, OK.

Buying Energy-Efficient Products

The U.S. Department of Energy's Federal Energy Management Program (FEMP) released a new, two-page fact sheet in March 2005. The federal requirements are explained as are the ways FEMP can assist REMs to meet the requirements. See the [fact sheet](#).

Strategies for Saving Energy and Reducing Cost

Put Your Computers to Sleep

EPA estimates that if you have 1,000 monitors in your facilities you could save \$17,000 a year with its free [software](#). EZ Save is a free centrally-administered software tool distributed by EPA that sets appropriate power management settings on monitors on the network but lets users retain their screen savers and requires no special modifications to the network. (from *Energy Ace Newsletter*, Fall 2004, Volume 2, Number 6)

High Performance Buildings

The January 2005 *REM Newsletter* reported that a number of case studies of high performance buildings, many from the commercial and institutional sectors, appear on the U.S. Department of Energy's Energy Efficiency and Renewable Energy website. One that seems particularly interesting involves a residential building: U.S. Army Yuma, AZ Proving Ground Energy Efficient Demonstration House (Yuma Energy Demonstration House). While this project is in the Southwest where solar is abundant, the home uses a variety of energy efficiency strategies to meet high performance standards, many of which can easily be incorporated in structures in other climates. [Click here](#) to view the web page for the project overview. Additionally, while you have the overview page open, you will see several options to select on the left of your screen. Each of these options offers information on some particular aspect of the project; one of the options is "Energy."

HVAC

"Putting the Squeeze on HVAC Costs," by Dennis Vito, Operations Manager for Energy Services, Syska Hennessy Group. The author gives the facilities manager excellent advice on what to do to reduce energy costs for heating and cooling. *Building Operating Management*, November 2004, at www.facilitiesnet.com/bom/article.asp?id=2261.

Lighting

“HID Lamp Dimming,” by Craig DiLouie, Communications Director at the Lighting Controls Association, and Principal of ZING Communications. The author explains the energy-saving dimming options for high-intensity discharge (HID) lamps. They include options that may be manual and/or automatic based on occupancy, daylight harvesting opportunities, and reductions in peak demand. Step-level and continuous-dimming systems are described as well as lamp performance and color. In the same author’s sidebar, “Overcoming HID Re-Strike Time,” it is explained how HID dimming saves energy when on-off switching is not an option because it takes HID lamps too long to relight (restrike) after they have been turned off. *EC&M* (Electrical Design, Construction & Maintenance), October 2004, at http://ecmweb.com/mag/electric_hid_lamp_dimming/.

Solar/Renewables

“PV FAQs: What’s New in Concentrating PV” is a four-page, February 2005 fact sheet produced by the National Renewable Energy Lab for the U.S. Department of Energy’s Energy Efficiency and Renewable Energy office. This is a review of concentrating photovoltaic (CPV) technology and the outlook for CPV, which aims to focus the solar rays received by PV panel cells to multiply dramatically the usable power that results. See the fact sheet at www.nrel.gov/docs/fy05osti/36542.pdf. Reported in the April 11, 2005, issue of NEON. (from *Energy Ideas Clearinghouse* 4/11-15)

Wind Supplies Power to Fort Lewis – According to the January 2005 *REM Newsletter*, wind farms from the east side of Washington and Oregon states will be supplying power to Tacoma Power to cover five percent of Fort Lewis’ energy needs. The U.S. Army is making the purchase on behalf of the base through renewable energy certificates provided by the Bonneville Power Administration (BPA). See the article “Army Buys Wind Power for Fort Lewis” in the Puget Sound Business Journal, posted on the web on October 6, 2004, at <http://seattle.bizjournals.com/seattle/stories/2004/10/04/daily25.html>.

CEM Training

The Office of the Assistant Chief of Staff for Installation Management recently hosted Certified Energy Manager (CEM) training for 30 installation energy managers from active Army, NGB and USAR.

The Association of Energy Engineers (AEE) sponsors and conducts the CEM course. The training assists the Army in meeting the training requirements of the Energy Policy Act of 1992 (EPAct) and presents the opportunity for students to obtain the prestigious CEM certification.

The CEM training does an excellent job meeting EPAct requirement and preparing energy managers to recognize and execute energy conservation measures.

For questions and/or comments:

[Webmaster](#)

(509) 372-4191

Guest Article

Myths of Energy Consumption, by C. Don Juhasz, Chief, Utilities & Energy, Policy Division, Department of the Army Office of Installation Management

The article discusses myths routinely believed and held as fact that inhibit education of government employees in cost-saving practices. Significant utility savings with very little effort or inconvenience to the employee are possible but will not occur without supervisory efforts to educate and enforce energy-saving practices. [View entire article.](#)